

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1583	(277/570,559,562,560).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/05 22:39
S2	10540	seal and (support or carrier) and annular and lip and (flexible or hinged)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/05 20:51
S3	89	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/02 18:51
S4	7	(US-20030098549-\$).did. or (US-6705617-\$ or US-6213476-\$ or US-6168164-\$ or US-5129744-\$ or US-4588195-\$ or US-4243235-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/02 19:02
S5	18	("3857156"   "3929341"   "4126320"   "4450614"   "4497496"   "4568092"   "4695063"   "4723350"   "4886281"   "5024364"   "5209502"   "5462287"   "5692757"   "5860656"   "6079715"   "6123514"   "6149158"   "6168164").PN. OR ("6705617"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/02 19:02
S6	14	(US-20030098549-\$).did. or (US-6705617-\$ or US-6213476-\$ or US-6168164-\$ or US-5129744-\$ or US-4588195-\$ or US-4243235-\$ or US-6079715-\$ or US-5209502-\$ or US-4723350-\$ or US-4695063-\$ or US-4568092-\$ or US-4126320-\$ or US-3929341-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/02 19:41
S7	377	elastomeric with seal with (hinge or hinged or pivot\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/05 22:38
S8	1	S7 with live near3 hinge	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/05 20:50
S9	1584	(277/570,559,562,560).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/05 20:51

## EAST Search History

S10	10560	seal and (support or carrier) and annular and lip and (flexible or hinged)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/05 20:51
S11	14825	seal and (support or carrier) and annular and lip and (flexible or hinged)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:01
S12	118	S9 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 20:51
S13	12	("4274641"   "4300777"   "4822058"   "4969653"   "5183271"   "5431872"   "5577741"   "5649710"   "6050570").PN. OR ("6213476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 21:04
S14	19	(US-20030098549-\$).did. or (US-3929341-\$ or US-4126320-\$ or US-4243235-\$ or US-4568092-\$ or US-4588195-\$ or US-4695063-\$ or US-4723350-\$ or US-5129744-\$ or US-5209502-\$ or US-6079715-\$ or US-6168164-\$ or US-6213476-\$ or US-6705617-\$ or US-5492339-\$ or US-5083802-\$ or US-4637295-\$ or US-4185838-\$ or US-3572732-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/05 22:01
S15	0	S14 and rubber with support	US-PGPUB; USPAT	OR	ON	2005/08/05 22:01
S16	33	seal same (support or carrier) near3 rubber same (flexible or hinged) and annular and lip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:20
S17	28	shaft with seal same (support or carrier) near3 rubber same (flexible or hinged)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:21
S18	18	S17 not S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:20

## EAST Search History

S19	0	shaft with seal same (support) with (flexible or hinged) same rigid near5 carrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:22
S20	632	shaft with seal same (support) with (flexible or hinged)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:22
S21	13	S9 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 22:22
S22	20	(US-20030098549-\$).did. or (US-3929341-\$ or US-4126320-\$ or US-4243235-\$ or US-4568092-\$ or US-4588195-\$ or US-4695063-\$ or US-4723350-\$ or US-5129744-\$ or US-5209502-\$ or US-6079715-\$ or US-6168164-\$ or US-6213476-\$ or US-6705617-\$ or US-5492339-\$ or US-5083802-\$ or US-4637295-\$ or US-4185838-\$ or US-3572732-\$ or US-6149158-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/05 23:22
S23	308	living adj hinge with groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 23:22
S24	0	living adj hinge with groove with PTFE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 23:22
S25	23	living adj hinge with groove same (teflon or elastomer or polymer or rubber or PTFE)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/05 23:23
S26	12	("4274641"   "4300777"   "4822058"   "4969653"   "5183271"   "5431872"   "5577741"   "5649710"   "6050570").PN. OR ("6213476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 23:48

## EAST Search History

S27	21	(US-20030098549-\$).did. or (US-3929341-\$ or US-4126320-\$ or US-4243235-\$ or US-4568092-\$ or US-4588195-\$ or US-4695063-\$ or US-4723350-\$ or US-5129744-\$ or US-5209502-\$ or US-6079715-\$ or US-6168164-\$ or US-6213476-\$ or US-6705617-\$ or US-5492339-\$ or US-5083802-\$ or US-4637295-\$ or US-4185838-\$ or US-3572732-\$ or US-6149158-\$ or US-5022389-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/05 23:43
S28	21	("20020158421" "20030006563" "4 969653" "5183271" "5209502" "555 6112" "5649710" "5833136" "59215 55" "6079715" "6149158" "6168164  "6213476" "6244600" "6336638" " "6401322" "6497415" "6513810" "6 520507" "6620361" "6729624").PN.	US-PGPUB; USPAT	OR	ON	2006/01/30 15:59
S29	404	(277/570,559).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/30 15:03
S30	691	(277/569,572).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/30 15:03
S31	817	S30 or S29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 15:09
S32	248	S31 and (teflon or ptfe or polytetrafluoroethylene or poly adj tetra adj fluoro adj ethylene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 15:10
S33	116	S32 and (teflon or ptfe or polytetrafluoroethylene or poly adj tetra adj fluoro adj ethylene) near4 seal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 15:10
S34	21	("4484752"   "4596394"   "4759553"   "4943068"   "4995621"   "5013052"   "5201528"   "5209499"   "5209502"   "5462287"   "5615894"   "5653448"   "5957461"   "6079715").PN. OR ("6149158").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/30 15:14

## EAST Search History

S35	16	("3771799"   "4283063"   "4470605"   "4568092"   "4770425"   "4928371"   "5096207"   "5346662"   "5348312"   "5522600"   "5615894"   "6149158"   "6273428"   "6406026"   "6450503"   "6513810").PN. OR ("6789805").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/30 15:54
S36	1	10/757919	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/30 15:54
S37	29	(US-20020158421-\$ or US-20030098549-\$).did. or (US-3572732-\$ or US-3929341-\$ or US-4126320-\$ or US-4185838-\$ or US-4243235-\$ or US-4568092-\$ or US-4588195-\$ or US-4637295-\$ or US-4695063-\$ or US-4723350-\$ or US-5022389-\$ or US-5083802-\$ or US-5129744-\$ or US-5209502-\$ or US-5492339-\$ or US-6079715-\$ or US-6149158-\$ or US-6168164-\$ or US-6213476-\$ or US-6336638-\$ or US-6513810-\$ or US-6620361-\$ or US-6705617-\$ or US-6729624-\$ or US-6789805-\$ or US-5346662-\$). did. or (US-5209499-\$).did.	US-PGPUB; USPAT	OR	ON	2006/01/30 15:58
S38	4	"6513810"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/01 15:09
S39	1395	junkers.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/01 15:10
S40	478	junkers.in.	US-PGPUB; USPAT	OR	ON	2006/02/01 15:10
S41	61	junkers.in.	US-PGPUB	OR	ON	2006/02/01 16:24
S42	1	10/876830	US-PGPUB	OR	ON	2006/02/01 16:24
S43	2	"6715768"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/01 17:45
S44	10	("4568092"   "4695063"   "4746128"   "5615894"   "5860656"   "6079715"   "6168164"   "6336638"   "6513810"   "6520507").PN. OR ("6715768").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 17:57

## EAST Search History

S45	8	S44 and (teflon or ptfe)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/03 18:25
S46	31	(US-20020158421-\$ or US-20030098549-\$).did. or (US-3572732-\$ or US-3929341-\$ or US-4126320-\$ or US-4185838-\$ or US-4243235-\$ or US-4568092-\$ or US-4588195-\$ or US-4637295-\$ or US-4695063-\$ or US-4723350-\$ or US-4746128-\$ or US-5022389-\$ or US-5083802-\$ or US-5129744-\$ or US-5209499-\$ or US-5209502-\$ or US-5346662-\$ or US-5492339-\$ or US-6079715-\$ or US-6149158-\$ or US-6168164-\$ or US-6213476-\$ or US-6336638-\$ or US-6513810-\$ or US-6620361-\$ or US-6705617-\$). did. or (US-6715768-\$ or US-6729624-\$ or US-6789805-\$). did.	US-PGPUB; USPAT	OR	ON	2006/02/03 17:45
S47	10	("4243235"   "4526383"   "4596394"   "4623153"   "5615894"   "5860656"   "6079715"   "6164660").PN. OR ("6513810").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/03 17:45
S48	9	S47 and (teflon or ptfe)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/03 18:25
S49	21	S46 and (teflon or ptfe)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/03 18:25
S50	26	S48 or S49	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/03 18:55
S51	3	"3073368"	USPAT	OR	ON	2006/02/03 20:17
S52	2	"2178126"	USPAT	OR	ON	2006/02/03 20:18
S53	4	S51 or S52	USPAT	OR	ON	2006/02/03 20:27
S54	2	("6149158").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/03 20:27

## EAST Search History

S55	32	(US-20020158421-\$ or US-20030098549-\$).did. or (US-3572732-\$ or US-3929341-\$ or US-4126320-\$ or US-4185838-\$ or US-4243235-\$ or US-4568092-\$ or US-4588195-\$ or US-4637295-\$ or US-4695063-\$ or US-4723350-\$ or US-4746128-\$ or US-5022389-\$ or US-5083802-\$ or US-5129744-\$ or US-5209499-\$ or US-5209502-\$ or US-5346662-\$ or US-5492339-\$ or US-6079715-\$ or US-6149158-\$ or US-6168164-\$ or US-6213476-\$ or US-6336638-\$ or US-6513810-\$ or US-6620361-\$ or US-6705617-\$). did. or (US-6715768-\$ or US-6729624-\$ or US-6789805-\$ or US-5615894-\$).did.	US-PGPUB; USPAT	OR	ON	2006/02/03 20:41
S57	33	(US-20020158421-\$ or US-20030098549-\$).did. or (US-3929341-\$ or US-4126320-\$ or US-4568092-\$ or US-4695063-\$ or US-4723350-\$ or US-5209502-\$ or US-6079715-\$ or US-3572732-\$ or US-4185838-\$ or US-4243235-\$ or US-6705617-\$ or US-4588195-\$ or US-4637295-\$ or US-5083802-\$ or US-5129744-\$ or US-6715768-\$ or US-6789805-\$ or US-5492339-\$ or US-6991406-\$ or US-5209499-\$ or US-6620361-\$ or US-6213476-\$ or US-5346662-\$ or US-6513810-\$ or US-6729624-\$ or US-5022389-\$). did. or (US-6336638-\$ or US-6149158-\$ or US-6168164-\$ or US-5615894-\$ or US-4746128-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/03 23:19
S58	1	10/757919	US-PGPUB; USPAT	OR	ON	2006/05/03 23:19
S59	2	(("5833136") or ("5556112")).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/04 12:59

F16f 15/32

## EAST Search History

S60	36	(US-20020158421-\$ or US-20050156384-\$ or US-20030098549-\$).did. or (US-3929341-\$ or US-5615894-\$ or US-6620361-\$ or US-4243235-\$ or US-4185838-\$ or US-5209499-\$ or US-5022389-\$ or US-6513810-\$ or US-4588195-\$ or US-5556112-\$ or US-4568092-\$ or US-4723350-\$ or US-5209502-\$ or US-4695063-\$ or US-3572732-\$ or US-6213476-\$ or US-5346662-\$ or US-6079715-\$ or US-4126320-\$ or US-6336638-\$ or US-5492339-\$ or US-5083802-\$ or US-5129744-\$ or US-4637295-\$ or US-6168164-\$ or US-6149158-\$). did. or (US-6991406-\$ or US-5833136-\$ or US-6789805-\$ or US-6729624-\$ or US-4746128-\$ or US-6705617-\$ or US-6715768-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/05 22:37
S61	1606	(277/570,559,562,560).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/05/05 22:37
S62	400	elastomeric with seal with (hinge or hinged or pivot\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/05 22:38
S63	39	elastomeric with hinged with seal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/05 22:39